

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 101-3-4 (1987): Methods of sampling and test for paints, varnishes and related products, Part 3: Tests on paint film formation, Section 4: Finish [CHD 20: Paints, Varnishes and Related Products]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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**AMENDMENT NO. 1 JUNE 1997
TO
IS 101 (Part 3/Sec 4) : 1987 METHODS OF
SAMPLING AND TEST FOR PAINTS, VARNISHES
AND RELATED PRODUCTS**

PART 3 TESTS ON PAINT FILM FORMATION

Section 4 Finish

(Third Revision)

(Page 1, clause 2, line 3) — Insert the words 'for 48 hours' after the word 'dry'.

(CHD 020)

4082 BIS/08—1

**AMENDMENT NO. 2 JUNE 2003
TO
IS 101 (PART 3/SEC 4) : 1987 METHODS OF
SAMPLING AND TEST FOR PAINTS, VARNISHES AND
RELATED PRODUCTS**

PART 3 TESTS ON PAINT FILM FORMATION

Section 4 Finish

(Third Revision)

(Page 1, clause 2, line 1) — Insert the following between the words 'steel panel' and 'by brusing'

'concentrate panel or wooden panel'

(CHD 20)

4082 BIS/08—2

AMENDMENT NO. 3 APRIL 2006
TO
IS 101 (PART 3/SEC 4) : 1987 METHODS OF SAMPLING
AND TEST FOR PAINTS, VARNISHES AND RELATED
PRODUCTS

PART 3 TESTS ON PAINT FILM FORMATION

Section 4 Finish

(Third Revision)

(Page 1, clause 2, line 1, read with Amendment No. 2) — Substitute the words 'concrete panel' for 'concentrate panel'.

(CHD 20)

4082 BIS/08—3

Indian Standard

METHODS OF SAMPLING AND TEST FOR
PAINTS, VARNISHES AND RELATED PRODUCTS

PART 3 TESTS ON PAINT FILM FORMATION

Section 4 Finish

(Third Revision)

1. Scope — Prescribes the details for determination of finish of paint and varnish films.

2. Procedure — The material when applied on a mild steel panel by brushing or spraying, whichever is specified, to give a dry film mass commensurate with the mass per 10 litres of the material as given in Table 1 and allowed to dry in a vertical position under specified conditions in dust free atmosphere, shall dry to a hard, firmly adherent, flexible and smooth film, free from sagging and wrinkling, with a matt semiglossy or glossy surface in accordance with the requirements of the material specification.

**TABLE 1 RELATIONSHIP BETWEEN DRY FILM MASS OF
SINGLE COAT OF PAINT MATERIAL AND MASS
PER 10 LITRES OF THE PAINT MATERIAL**

Mass of the Paint Material in kg/10 litres	Dry Film Mass, g/m ²
(1)	(2)
Up to and including 10	17 to 22
Above 10 to 11	22 to 27
Above 11 to 12	27 to 34
Above 12 to 14	34 to 44
Above 14 to 16	44 to 54
Above 16 to 18	54 to 68
Above 18	68 to 80

The film so produced shall be of normal opacity and in no way inferior to a film prepared in the same manner and at the same time from the approved sample, when examined not earlier than 48 hours and not later than 100 hours after application. In case of failure, the test shall be repeated by keeping the painted panels under standard atmospheric conditions.

EXPLANATORY NOTE

This standard is one of a series dealing with methods of sampling and test for paint, varnishes, and related products. This standard supersedes 6.4 and 7.5 of IS : 101-1964 'Methods for ready mixed paints and enamels (second revision)'.
Paints and Allied Products Sectional Committee, CDC 8; Panel for Methods of Test, 8:6:4 [Ref: Doc: CDC 8 (9144)]

Adopted 30 April 1987

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